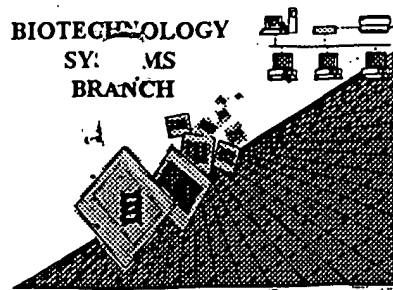


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SY: MS
BRANCH



W70
1025

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/800,321

Source: OIPE

Date Processed by STIC: 10/29/01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/800,321

DATE: 10/29/2001

TIME: 15:46:11

Input Set : A:\Cura2031.app

Output Set: N:\CRF3\10292001\I800321.raw

**Does Not Comply
Corrected Diskette Needed***Error on p. 2*

3 <110> APPLICANT: Padigaru, Muralidhara
4 Burgess, Catherine E
5 Mishra, Vishnu
6 Li, Li
7 Baumgartner, Jason C
8 Majumder, Kumud
9 Spytek, Kimberly A
10 Tchernev, Velizar T
12 <120> TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
14 <130> FILE REFERENCE: 15966-703 US
16 <140> CURRENT APPLICATION NUMBER: 09/800,321
17 <141> CURRENT FILING DATE: 2001-03-05
19 <150> PRIOR APPLICATION NUMBER: 60/186,606
20 <151> PRIOR FILING DATE: 2000-03-03
22 <150> PRIOR APPLICATION NUMBER: 60/221,942
23 <151> PRIOR FILING DATE: 2000-07-31
25 <150> PRIOR APPLICATION NUMBER: 60/260,285
26 <151> PRIOR FILING DATE: 2001-01-08
28 <150> PRIOR APPLICATION NUMBER: 60/220,263
29 <151> PRIOR FILING DATE: 2000-07-24
31 <150> PRIOR APPLICATION NUMBER: 60/257,600
32 <151> PRIOR FILING DATE: 2000-12-21
34 <150> PRIOR APPLICATION NUMBER: 60/187,295
35 <151> PRIOR FILING DATE: 2000-03-06
37 <150> PRIOR APPLICATION NUMBER: 60/219,854
38 <151> PRIOR FILING DATE: 2000-07-21
40 <150> PRIOR APPLICATION NUMBER: 60/187,249
41 <151> PRIOR FILING DATE: 2000-03-06
43 <150> PRIOR APPLICATION NUMBER: 60/187,247
44 <151> PRIOR FILING DATE: 2000-03-06
46 <150> PRIOR APPLICATION NUMBER: 60/187,250
47 <151> PRIOR FILING DATE: 2000-03-06
49 <150> PRIOR APPLICATION NUMBER: 60/187,253
50 <151> PRIOR FILING DATE: 2000-03-06
52 <150> PRIOR APPLICATION NUMBER: 60/187,248
53 <151> PRIOR FILING DATE: 2000-03-06
55 <150> PRIOR APPLICATION NUMBER: 60/187,296
56 <151> PRIOR FILING DATE: 2000-03-06
58 <150> PRIOR APPLICATION NUMBER: 60/187,563
59 <151> PRIOR FILING DATE: 2000-03-07
61 <160> NUMBER OF SEQ ID NOS: 78
63 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

3746 <210> SEQ ID NO: 70

RAW SEQUENCE LISTING

DATE: 10/29/2001

PATENT APPLICATION: US/09/800,321

TIME: 15:46:12

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Output Set: N:\CRF3\10292001\I800321.raw

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3747 <211> LENGTH: 160
3748 <212> TYPE: PRT
3749 <213> ORGANISM: Homo sapiens
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3755 Ser Pro Met Tyr Phe Ser Leu Thr Ser Leu Ser Leu Met Gly Ala Thr
3756           20           25           30
3758 Tyr Ser Ser Ile Thr Ala Pro Lys Met Thr Val Asp Ser Phe Glu Asn
3759           35           40           45
3761 Thr Thr Ile Ser Leu Glu Gly Cys Met Thr Gln Leu Phe Ala Glu His
3762   50           55           60
3764 Phe Ser Asp Gly Val Ala Ile Ile Leu Leu Thr Val Met Val Cys Asp
3765   65           70           75           80
3767 Cys Tyr Glu Ala Ile Ser Lys Pro Leu His Asp Thr Thr Ile Met Ser
3768           85           90           95
3770 Pro Arg Val Trp Leu Leu Leu Val Val Glu Ala Trp Val Gly Gly Leu
3771           100          105          110
3773 Thr His Ala Thr Ile Gln Leu Phe Phe Phe Ile Tyr Gln Ile Pro Phe
3774           115          120          125
3776 Cys Gly Pro Asn Ile Ile Asp His Phe Ile Cys Asp Leu Phe Pro Leu
3777           130          135          140
3779 Leu Lys Leu Ala Tyr Met Asp Thr His Met Leu Gly Leu Leu Val Ile
3780 145          150          155          160

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E--> 3782 Leu

→ Error: Indicated length is 160, however, this amino acid makes 161.

VERIFICATION SUMMARY

DATE: 10/29/2001

PATENT APPLICATION: US/09/800,321

TIME: 15:46:13

Input Set : A:\Cura2031.app

Output Set: N:\CRF3\10292001\I800321.raw

L:3038 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58

L:3209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61

L:3648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68

L:3782 M:252 E: No. of Seq. differs, <211>LENGTH:Input:160 Found:161 SEQ:70